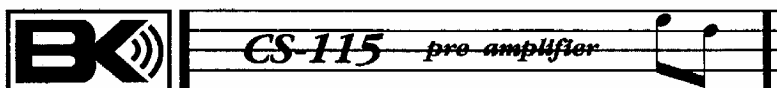


**B&K COMPONENTS, LTD.**

**CS-115**

***Pre-amplifier***

***Operation Manual***



# CS-115 Owner's Manual

## Introduction

Thank you for purchasing a B&K Components Ltd.'s CS-115 pre-amplifier. Your CS-115 carries many useful features, including the same high quality components that are found in our other preamplifiers. The CS-115 is manufactured with 1% metal film resistors and precision attenuators that all add up to produce a transparent sound with highly accurate musical timbre. The CS-115 is equipped with goldplated premium audio connectors and non-inverting outputs. Dual sets of pre-amplifier output connectors are provided to ease bi-amp applications or for an extra power amplifier. As options, the CS-115 may be configured with balanced line outputs, phono inputs or an auxiliary line level input. Passive or active operation is selectable from the front panel. The chassis, constructed of heavy gauge steel, and a 3/16" aluminium faceplate provide maximum structural integrity. The CS-115 is manufactured for dependability and will provide many years of listening pleasure.

We encourage you to read this operation manual thoroughly to familiarize yourself with the CS-115 pre-amplifier.

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- Model CS-115
- Serial # .....
- Date of Purchase .....
- B&K Components, Ltd.
- 1971 Abbott Road
- Buffalo, NY 14218-3241
- (716) 822-8488 (716) 822-8306 Fax

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## Safety Precautions

1. Read all instructions.
2. Keep all units well ventilated.
3. For extended periods of nonuse, unplug the unit from the power source.
4. Do not open the unit, there are no user serviceable parts inside. Contact your dealer or authorized service center for customer assistance.
5. Keep the unit away from liquids and direct sunlight.
6. Secure all connections and power cords. Keep power cords out of travel paths.

## Specifications of the CS-115 Pre-amplifier

- THD ..... .02%
- Frequency Response, +/- 1 dB ..... 5 Hz-150 kHz
- Line Level Sensitivity ..... 150 mV
- Phono Sensitivity ..... 2.7 mV
- Maximum Output ..... 9 V R.M.S.
- Line Level (S/N A-Weighted) ..... 89 dB
- Moving Magnet (S/N A-Weighted) ..... 82 dB
- Processor Loops ..... 1
- No. of Inputs ..... 5
- Non-inverting outputs
- Made in the U.S.A.
- Specifications are subject to change without notice.



### CAUTION:

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



### ATTENTION:

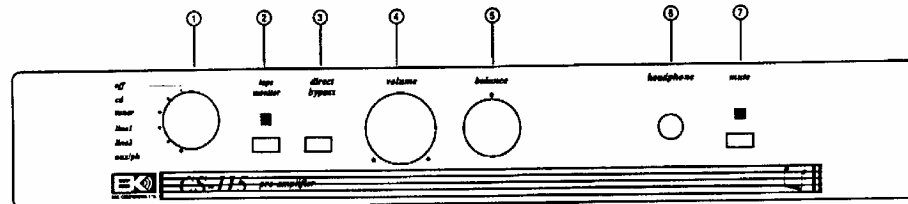
RISQUE DE CHOC ELECTRIQUE  
NE PAS OUVRIR

### WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT  
EXPOSE THIS UNIT TO RAIN OR MOISTURE.



## CS-115 Front Panel Operation

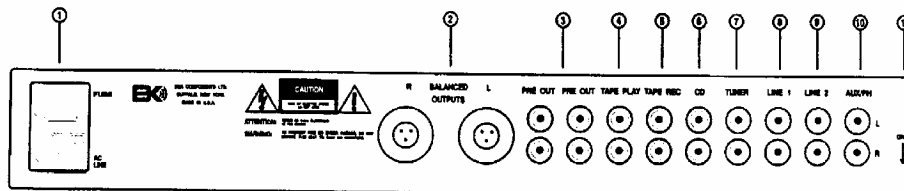


1. **INPUT SELECTOR** - The CS-115 should always be connected to an unswitched AC power outlet. Upon the first application of power to the CS-115, the INPUT SELECTOR should be in the OFF position. (This procedure is used to reset the electronic selector circuitry. No further resetting is needed while the AC power is maintained to the CS-115.) This control is used to select the desired program source: CD, TUNER, LINE 1, LINE 2, or AUX/PH. When set to the OFF position, the CS-115 outputs (PRE-OUT) are muted. The AUX/PH input may be configured internally for either auxiliary (line level) or moving magnet phono. See AUX/PH under "Rear Panel Connectors".
2. **TAPE MONITOR** - Pushing this button selects monitoring of the tape recorder. An LED indicator displays the TAPE MONITOR status. When the LED is lit, the TAPE MONITOR is on and indicates that playback or monitoring of the tape recorder is now active. When the recorder is in playback mode, the CS-115 INPUT SELECTOR is disabled. When the tape recorder is in the RECORD mode, the CS-115 INPUT SELECTOR is used to select the program source that is to be recorded. For additional information, refer to your tape recorder operation manual. \*
3. **DIRECT BYPASS** - This button selects the Active or Passive mode of operation. In the Active mode (button "out"), the program source selected is processed through a 10 dB buffer amplifier. The Passive mode (button "in") bypasses the amplifier stage and only the VOLUME and BALANCE controls remain in the signal path (the overall volume of the sound is reduced significantly in the Passive mode). The difference in sound between these two modes is subjective and strictly a matter of personal taste. \*
4. **VOLUME** - Turning this control clockwise increases the sound level of the CS-115 main outputs (PRE-OUT) and the HEADPHONE output. \*
5. **BALANCE** - This control adjusts the relative volume of the left and right channels. This affects the main CS-115 outputs (PRE-OUT) and the HEADPHONE output. Note: The level of the tape recording outputs (TAPE-REC) are unaffected by both VOLUME and BALANCE.
6. **HEADPHONE** - Stereo headphones having a standard 1/4 inch stereo plug can be connected to the HEADPHONE output. The HEADPHONE output is active all the time, however the MUTE button may be used to disable the main CS-115 outputs (PRE-OUT) for private listening.
7. **MUTE** - The MUTE button operates similar to a standard power button. An LED indicator displays the MUTE status. When the MUTE button is "out" (LED off), the CS-115 main outputs (PRE-OUT) to the power amplifier are disabled and allows for private listening with headphones. Note: MUTE does not disconnect AC power from the CS-115, but merely disables the outputs. The continuously powered circuitry provides optimum sound quality and stability. For this reason, it is recommended that the CS-115 be plugged into an unswitched AC outlet.

\* The MUTE button should be "out" and the VOLUME control fully counterclockwise when changing the TAPE MONITOR or the DIRECT BYPASS buttons, and when the CS-115 is not in use.



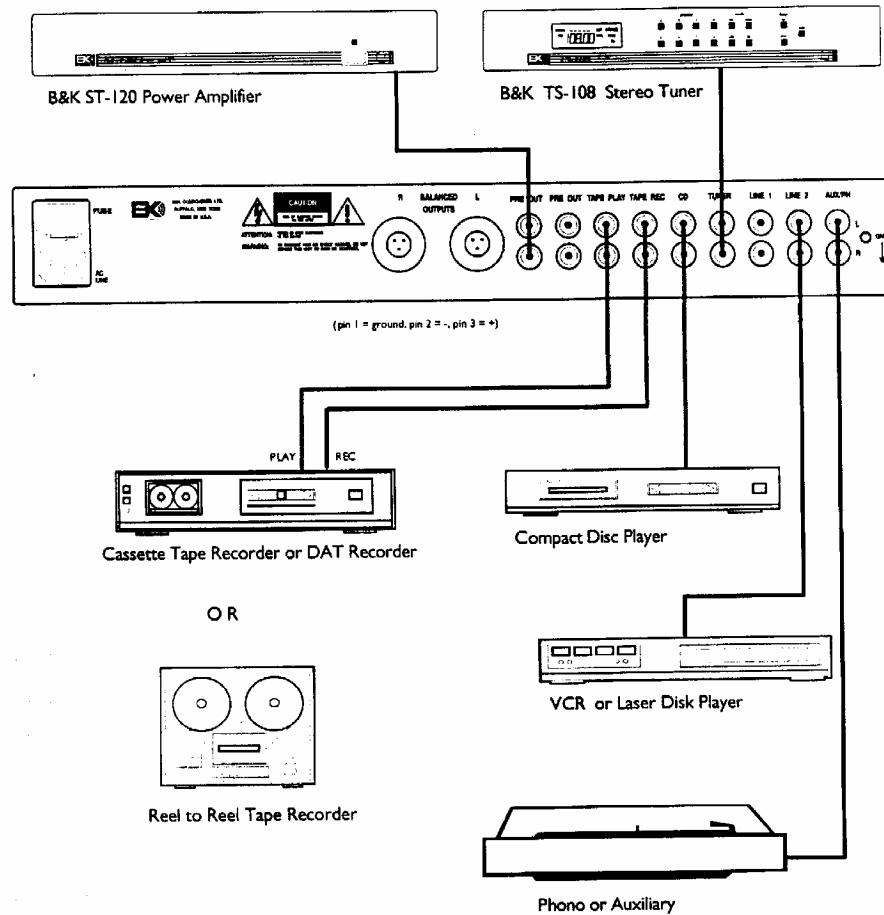
## CS-115 Rear Panel Connectors



1. **POWER ENTRY MODULE** - The power cord is inserted into this module. The CS-115 should be plugged into an unswitched AC outlet. See MUTE under "Front Panel Operation". The fuse contained within the module is a 1/2 Amp Fast-Blo and should only be replaced with the same type and rating.
2. **BALANCED LINE OUTPUT CONNECTORS (Optional)** - If your unit is configured with balanced (XLR) connectors, these are to be used for connecting to the power amplifier (pin 1 = ground, pin 2 = -, pin 3 = +). Balanced connectors and cables provide maximum reduction of common noise interference which can degrade clarity and low frequency accuracy. Proper balanced operation requires that the power amplifier be also equipped with balanced input connectors. Consult your authorized dealer concerning this option.
3. **PRE-OUT (2 Sets)** - These connectors are the main CS-115 outputs that are connected to the power amplifier. Two sets are provided and may be used simultaneously. The additional set is provided to simplify connection of bi-amp systems or an extra power amplifier.
4. **TAPE-PLAY** - These input connectors are part of the tape loop system. Connecting the PLAY outputs from your tape recorder to these inputs allows the recorder to be selected as the program source by using the TAPE MONITOR button. See TAPE MONITOR under "Front Panel Operation".
5. **TAPE-REC** - These output connectors are also part of the tape loop system. The recording program source, as determined by the INPUT SELECTOR on the front panel, is provided at these connectors. Connect the CS-115 TAPE-REC outputs to the RECORD inputs on the tape recorder. The TAPE-REC outputs are not affected by the VOLUME or BALANCE controls. The TAPE MONITOR button has no effect on the CS-115 TAPE-REC outputs.
6. **CD** - These are line level input connectors that are designated for a Compact Disc (CD) player.
7. **TUNER** - These are line level input connectors that are designated for a stereo tuner, such as the B&K TS-108 FM Stereo Tuner.
8. **LINE 1** - These are line level input connectors that may be used for additional audio components, such as the audio outputs from a VCR or an additional CD player. Refer to the specific manuals for proper connections.
9. **LINE 2** - same as LINE 1 description above.
10. **AUX/PH** - This input may be configured internally for either an auxiliary line level (AUX) or moving magnet phono (PH). Consult your authorized dealer concerning this option.
11. **Phono Grounding Lug** - Connect the extra grounding wire on your phono to this lug to eliminate any hum or ground noise.
  - note: When making connections to the back panel and your audio components, always connect the right channel of one device to the right channel of the other device. Also make the connections with the plugs pushed all the way in and seated firmly.
  - note: Refer to "Making the Right Connections" for illustrated connections.



## Making the Right Connections



**B&K COMPONENTS, LTD.**

1971 Abbott Road, Buffalo, New York 14218-3241 NY: 716-822-8488 FAX: 716-822-8306

### **B&K Limited Warranty**

B&K Components, Ltd. (Warrantor) warrants your B&K equipment against all defects in material and workmanship for a period of three years from date of purchase. This warranty applies only to the original consumer purchaser and only to equipment used in normal residential use and service. Defective units will be either repaired or replaced (at the discretion of B&K Components, Ltd.) upon its being returned to the Warrantor at 1971 Abbott Rd., Buffalo, N.Y. 14218, postage prepaid, with a payment to cover the costs of return postage and handling.

This warranty shall not apply to any equipment which is found to have been improperly installed, fused, set-up, or used in any way not in accordance with instructions supplied with the equipment, or to have been modified, repaired or altered in any way without the expressed written consent of B&K Components, Ltd.

No implied warranty on this unit, created by state law, shall extend beyond the term of this warranty, and B&K Components, Ltd. shall not be liable for any incidental or consequential damages in the event of any defect in material or workmanship of the unit during the term of this warranty or thereafter. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions may not apply to you.

No agent, representative, dealer or employee of the company has the authority to increase or alter the obligations or terms of this warranty.

This warranty gives you specific legal rights; you may also have other rights which vary from state to state.

**RETURN AUTHORIZATION:** Please note that the return of any product to B&K Components, Ltd. for the purpose of warranty repair, service or other reason requires a *Return Authorization (RA)* to be issued by B&K Components, Ltd. prior to return shipment. The RA may be requested by calling 1-800-543-5252 (NY: 716-822-8488) between 8:30 AM and 5:00 PM EST/EDT, Monday thru Friday. At that time, it will be requested that you provide the following information:

1. Your name and address
2. The model and serial number
3. The reason for which the unit is to be returned

Once your RA has been issued, you will immediately be provided with an RA number. We will then send an RA package to you by mail. Included in the RA package will be instructions on how to return your unit, multiple copies of the RA and a preprinted return shipping label to be attached to the unit.

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